

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	401	250/341:1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:42
L2	320	250/340.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:42
L3	712	250/342.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:42
L4	247	250/228.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:42
L5	105	250/559.07.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:42
L6	935	356/399.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:42
L9	93	399/15.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:43
L10	91	399/64.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:43
L11	1	L1 and LED and photodiode and toner	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:43
L15	1	L5 and LED and photodiode and toner	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:43
L17	7	L9 and LED and photodiode and toner	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:43

## EAST Search History

L18	9	L10 and LED and photodiode and toner	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:43
L19	1	L1 and toner and (collimat\$5 same shroud)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:44
L25	1	L9 and toner and (collimat\$5 same shroud)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:44
L26	1	L10 and toner and (collimat\$5 same shroud)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:44
L27	1	L1 and (integrat\$4 adj (cavity or chamber)) and (detector same circuits)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:45
L30	8	L4 and (integrat\$4 adj (cavity or chamber)) and (detector same circuits)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:45
L32	1	L6 and (integrat\$4 adj (cavity or chamber)) and (detector same circuits)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:45
L33	1	L9 and (integrat\$4 adj (cavity or chamber)) and (detector same circuits)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:45
L34	1	L10 and (integrat\$4 adj (cavity or chamber)) and (detector same circuits)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:45
S4	27	"3942012"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/28 16:20
S5	11	"4206355"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/28 16:20
S6	10	"4300050"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/28 16:20

## EAST Search History

S7	3	"4568828"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/28 16:21
S8	8	"4988866"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/28 16:21
S9	5	"5621214"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/28 16:21
S10	8	"6225622"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/28 16:37
S11	400	250/341.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:41
S13	1	S11 and toner and image and surface and cavity and collimat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/28 16:38
S15	1	S11 and LED and photodiode and toner	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:43
S16	413	'250"\$.ccls. and photodiode and LED and cavity	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/28 16:46
S17	6	"250"\$.ccls. and photodiode and LED and cavity and surface and toner	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 08:36
S18	428	"250"\$.ccls. and (optical adj density) same (sens\$4 or detect\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/28 16:48
S19	10	S18 and toner same density and collimat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/02/28 16:48
S20	11	("4038943"   "4624543"   "4743758"   "4752944"   "4877699"   "4939759"   "4950569").PN..OR ("5105451"), URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 16:49

## EAST Search History

S21	9	("3590000"   "4298672"   "4338390"   "4558108"   "5105451"   "5227460"   "5714291").PN. OR ("6291121").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 16:49
S22	26	("3892492"   "4553033"   "4750838"   "4755058"   "4796065"   "4799082"   "4801980"   "4989985"   "5078497"   "5083161"   "5122672").PN. OR ("5204538").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 16:55
S23	17	"4278887"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 16:55
S24	19	"4232971"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 16:55
S25	21	"3935436"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 16:55
S26	57	"3874799"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 16:56
S27	24	"3327583"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 08:34
S28	11	"2992588"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 08:34
S29	27	"2707900"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 08:34
S30	4	"2383346"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 08:34
S31	9	"2347067"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 08:35
S32	8	"2263938"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 08:35

## EAST Search History

S33	10	"2107836"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 08:35
S34	4	"1979952"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 08:35
S35	6	"1964365"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 08:35
S36	1	"1960169"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 08:36
S37	6	"1834905"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 08:36
S38	30	(US-20050211902-\$).did. or (US-4988866-\$ or US-4206355-\$ or US-3942012-\$ or US-4300050-\$ or US-4568828-\$ or US-6225622-\$ or US-5621214-\$ or US-6291121-\$ or US-4278887-\$ or US-4232971-\$ or US-3935436-\$ or US-3874799-\$ or US-4649276-\$ or US-5126629-\$ or US-5077504-\$ or US-3327583-\$ or US-2992588-\$ or US-2707900-\$ or US-2383346-\$ or US-2347067-\$ or US-2263938-\$ or US-2107836-\$ or US-1979952-\$ or US-1964365-\$ or US-1960169-\$ or US-1834905-\$).did. or (US-4568828-\$ or US-5621214-\$ or US-6225622-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/01 08:36
S39	1	S38 and photodiode and LED and cavity and surface and toner	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 08:36
S40	18	("4279498"   "4313671"   "5138178"   "5196886"   "5200783"   "5204538"   "5212560"   "5216469"   "5253018"   "5270784"   "5325153"   "5357317").PN. OR ("5625857") URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/01 08:42

## EAST Search History

S41	42	(US-20050211902-\$).did. or (US-4988866-\$ or US-4206355-\$ or US-3942012-\$ or US-4300050-\$ or US-4568828-\$ or US-6225622-\$ or US-5621214-\$ or US-6291121-\$ or US-4278887-\$ or US-4232971-\$ or US-3935436-\$ or US-3874799-\$ or US-4649276-\$ or US-5126629-\$ or US-5077504-\$ or US-3327583-\$ or US-2992588-\$ or US-2707900-\$ or US-2383346-\$ or US-2347067-\$ or US-2263938-\$ or US-2107836-\$ or US-1979952-\$ or US-1964365-\$ or US-1960169-\$ or US-1834905-\$).did. or (US-5625857-\$ or US-6526237-\$ or US-6512898-\$ or US-6493083-\$ or US-6081678-\$ or US-5956544-\$ or US-5842080-\$ or US-5325153-\$ or US-5270784-\$ or US-5253018-\$ or US-5216469-\$ or US-5204538-\$).did. or (US-4568828-\$ or US-5621214-\$ or US-6225622-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/01 08:55
S42	2	S41 and reflectometer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 08:59
S43	3	S41 and ((light adj source) or LED) and reflect\$4 and collimat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 08:59
S44	1	"250".\$ccls. and ((light adj source) or LED) and reflect\$4 and collimat\$4 and cavity and (view adj port) and toner and surface	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 09:10
S46	4	S41 and reflect\$4 and collimat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 09:00
S47	699	((specular or diffuse) adj reflection) and optical and density and (sens\$4 or detect\$4) and collimat\$4 and view	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 09:06
S48	318	"250".\$ccls. and reflectometer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 09:16

## EAST Search History

S49	1	S48 and collimator and toner and density	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 09:11
S50	5	S48 and toner and density	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 09:16
S51	2	S48 and toner and cavity	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 09:16
S52	14	"250".\$ccls. and reflect\$6 and toner and cavity and LED	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 09:23
S53	63	"250".\$ccls. and (integrat\$4 adj cavity)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 09:23
S54	58	"250".\$ccls. and (integrat\$4 adj cavity) and reflect\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 09:47
S55	44	("3433052"   "3439985"   "3462224"   "3796099"   "4172383"   "4465382"   "4579461"   "4880314"   "4979133"   "4984902"   "5021980"   "5154512").PN. OR ("5326173").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/01 09:37
S56	180	(integrat\$4 adj cavity) and reflect\$6 and (detect\$4 or sens\$4) and surface	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 14:53
S57	52	(integrat\$4 adj cavity) and reflect\$6 and (detect\$4 or sens\$4) and surface and collimat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 09:48

## EAST Search History

S58	52	("20020064043"   "20030117796"   "20030193816"   "20040156199"   "20050040774"   "20050156103"   "20050161586"   "4677533"   "4992704"   "5400228" "5752766"   "5838247" "5877490"   "5899557" "5914487"   "6007225" "6084250"   "6139166" "6149283"   "6150774" "6166496"   "6183086" "6184628"   "6200002" "6222623"   "6238077" "6257737"   "6266136" "6273589"   "6280054" "6286979"   "6299329" "6334700"   "6340868" "6342695"   "6459919" "6488389"   "6523977" "6525668"   "6527411" "6533429"   "6547416" "6626558"   "6636003" "6659622"   "6692136" "6700112"   "6744223" "6759814"   "6793374" "6806659"   "6840652").PN. OR ("6995355").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/01 10:00
S59	5	(integrat\$4 adj cavity) and reflectometer	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/01 10:00
S60	46751	Schmidt.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:32
S61	37	S60 and wire and free and calibration	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:34
S62	27	"3942012"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:53
S63	229	"250".\$ccls. and photons and electrons and ((set or array) adj detectors) and calibrat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:41
S64	107	"250".\$ccls. and photons and electrons and ((set or array) adj detectors) and calibrat\$5 and face	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 13:02

## EAST Search History

S65	31	"250".\$ccls. and photons and electrons and ((set or array) adj detectors) and calibrat\$5 and hous\$4 and sensitiv\$4 and flux	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:43
S66	7	"250".\$ccls. and photons and electrons and ((set or array) adj detectors) and calibrat\$5 and hous\$4 and sensitiv\$4 and flux and ioniz\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:45
S67	1	"250".\$ccls. and (intercept same (photons and electrons)) and ((set or array) adj detectors) and calibrat\$5 and hous\$4 and sensitiv\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:47
S68	5	"250".\$ccls. and (photons and electrons) and ((set or array) adj detectors) and calibrat\$5 and hous\$4 and (sensitiv\$4 same flux)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:48
S69	5	"250".\$ccls. and (photons and electrons) and ((set or array) adj detectors) and calibrat\$5 and hous\$4 and (sensitiv\$4 same flux) and test\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:50
S70	29	"250".\$ccls. and (photons and electrons) and ((set or array) adj detectors) and calibrat\$5 and hous\$4 and ( flux) and test\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:50
S71	11	"4206355"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:54
S72	10	"4300050"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:58
S73	3	"4568828"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/01 12:58
S74	1461	((optical adj density) same sensor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:01
S75	25	((optical adj density) same sensor) and collimator and (photodiode or detector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:02

## EAST Search History

S76	43	(US-20050211902-\$).did. or (US-5621214-\$ or US-1964365-\$ or US-6512898-\$ or US-4206355-\$ or US-4988866-\$ or US-3942012-\$ or US-6291121-\$ or US-1979952-\$ or US-3935436-\$ or US-2992588-\$ or US-4278887-\$ or US-2263938-\$ or US-5216469-\$ or US-1834905-\$ or US-2347067-\$ or US-4232971-\$ or US-3874799-\$ or US-5842080-\$ or US-3327583-\$ or US-6081678-\$ or US-5956544-\$ or US-5625857-\$ or US-2107836-\$ or US-6493083-\$ or US-5126629-\$ or US-5253018-\$).did. or (US-4568828-\$ or US-5325153-\$ or US-5270784-\$ or US-6225622-\$ or US-1960169-\$ or US-4300050-\$ or US-2707900-\$ or US-5077504-\$ or US-6526237-\$ or US-4649276-\$ or US-5204538-\$ or US-2383346-\$ or US-5326173-\$).did. or (US-5621214-\$ or US-6225622-\$ or US-4568828-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/02 10:30
S77	11	S76 and detector and reflect\$4 and surface	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:25
S78	4	S76 and detector and reflect\$4 and collimat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 10:25
S79	1379	cavity and collimator and density	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/02 10:30
S80	1060	cavity and collimator and density and reflect\$4 and surface	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/02 14:23
S81	912	cavity and collimator and density and reflect\$4 and surface and (detect\$4 or sens\$4 or photodiode)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/02 10:33
S82	106	"250".\$ccls. and cavity and collimator and density and reflect\$4 and surface and (detect\$4 or sens\$4 or photodiode)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/02 10:34

## EAST Search History

S83	1	"250".\$ccls. and (integrat\$4 adj cavity) and collimator and density and reflect\$4 and surface and (detect\$4 or sens\$4 or photodiode)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/02 10:34
S84	106	"250".\$ccls. and (cavity) and collimator and density and reflect\$4 and surface and (detect\$4 or sens\$4 or photodiode)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/02 10:50
S85	3	"250".\$ccls. and (integrat\$4 adj cavity) and collimator and reflect\$4 and surface and (detect\$4 or sens\$4 or photodiode)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/02 10:52
S86	52	("20020064043"   "20030117796"   "20030193816"   "20040156199"   "20050040774"   "20050156103"   "20050161586"   "4677533"   "4992704"   "5400228"   "5752766"   "5838247"   "5877490"   "5899557"   "5914487"   "6007225"   "6084250"   "6139166"   "6149283"   "6150774"   "6166496"   "6183086"   "6184628"   "6200002"   "6222623"   "6238077"   "6257737"   "6266136"   "6273589"   "6280054"   "6286979"   "6299329"   "6334700"   "6340868"   "6342695"   "6459919"   "6488389"   "6523977"   "6525668"   "6527411"   "6533429"   "6547416"   "6626558"   "6636003"   "6659622"   "6692136"   "6700112"   "6744223"   "6759814"   "6793374"   "6806659"   "6840652").PN. OR ("6995355").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 10:51
S87	1	S86 and (integrat\$4 adj cavity) and collimator and reflect\$4 and surface and (detect\$4 or sens\$4 or photodiode)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/02 10:52
S88	303	Rains.in.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/02 10:52

## EAST Search History

S89	6	Rains.in. and (integrat\$4 adj cavity)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/02 10:55
S90	7	reflectometer and (integrat\$4 adj cavity)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/02 10:55
S91	18	("4279498"   "4313671"   "5138178"   "5196886"   "5200783"   "5204538"   "5212560"   "5216469"   "5253018"   "5270784"   "5325153"   "5357317").PN. OR ("5625857").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 11:15
S92	60	(integrat\$4 adj (space or cavity)) and (view\$4 or port) and collimat\$4 and (detector or photodiode or sensor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 12:57
S93	58	(integrat\$4 adj (space or cavity)) and (view\$4 or port) and collimat\$4 and (detector or photodiode or sensor) and reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 13:20
S94	17	("2649011"   "2707900"   "3886364").PN. OR ("4278887"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 13:15
S95	3	(integrat\$4 adj (space or cavity)) and (view\$4 adj (slit or port)) and collimat\$4 and (detector or photodiode or sensor) and reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 13:20
S96	38	("2945958"   "3455637"   "3561846"   "3603730"   "3681527"   "3845239"   "3980893"   "3987301"   "4001581"   "4012585"   "4015081"   "4180702").PN. OR ("4321630").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 13:22
S97	7	("3502890"   "3743844"   "3856990"   "4321630"   "4435092"   "6023066").PN. OR ("6952264").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 13:24
S98	26	("4575224"   "4883019"   "4894685"   "5045883"   "5103260").PN. OR ("5253018"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 13:31

## EAST Search History

S99	18	("4279498"   "4313671"   "5138178"   "5196886"   "5200783"   "5204538"   "5212560"   "5216469"   "5253018"   "5270784"   "5325153"   "5357317").PN. OR ("5625857").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 13:42
S100	33	"5326173"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 13:42
S101	44	("3433052"   "3439985"   "3462224"   "3796099"   "4172383"   "4465382"   "4579461"   "4880314"   "4979133"   "4984902"   "5021980"   "5154512").PN. OR ("5326173").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/02 13:43
S102	44	(US-20050211902-\$).did. or (US-5621214-\$ or US-1964365-\$ or US-6512898-\$ or US-4206355-\$ or US-4988866-\$ or US-3942012-\$ or US-6291121-\$ or US-1979952-\$ or US-3935436-\$ or US-2992588-\$ or US-4278887-\$ or US-2263938-\$ or US-5216469-\$ or US-1834905-\$ or US-2347067-\$ or US-4232971-\$ or US-3874799-\$ or US-5842080-\$ or US-3327583-\$ or US-6081678-\$ or US-5956544-\$ or US-5625857-\$ or US-2107836-\$ or US-6493083-\$ or US-5126629-\$ or US-5253018-\$).did. or (US-4568828-\$ or US-5325153-\$ or US-5270784-\$ or US-6225622-\$ or US-1960169-\$ or US-4300050-\$ or US-2707900-\$ or US-5077504-\$ or US-6526237-\$ or US-4649276-\$ or US-5204538-\$ or US-2383346-\$ or US-5326173-\$ or US-6952264-\$).did. or (US-5621214-\$ or US-6225622-\$ or US-4568828-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/02 14:18
S103	7	S102 and (LED or "light emitting diode") and photodiode	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 14:46
S106	58	cavity and collimator and density and reflect\$4 and surface and (LED or "light emitting diode") and photodiode	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/02 14:54

## EAST Search History

S10 7	1	S102 and (circuit adj card)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 14:46
S10 8	17	S102 and circuit	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 15:36
S11 5	12	collimator same shroud	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 14:58
S11 6	103	collimat\$5 same shroud	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 14:58
S11 7	41	integrat\$4 and (collimat\$5 same shroud)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 15:00
S11 8	1	toner and (collimat\$5 same shroud)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:44
S11 9	1	reflectometer and (collimat\$5 same shroud)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 15:01
S12 0	3	(optical adj source) and (collimat\$5 same shroud)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 15:36
S12 1	1	S102 and shroud	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 15:36
S12 2	3	(optical adj density) and (collimat\$5 same shroud)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/02 15:37
S12 3	414	(integrat\$4 adj (space or cavity)) and circuit	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 08:15
S12 4	1	(integrat\$4 adj (space or cavity)) and (circuit adj card) and reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 08:16

## EAST Search History

S12 5	211	(integrat\$4 adj (space or cavity)) and circuit and reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 08:16
S12 6	7	(integrat\$4 adj (space or cavity)) and (sens\$4 adj circuit) and reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 08:24
S12 7	2	(integrat\$4 adj (space or cavity)) and (detector same (sens\$4 adj circuit)) and reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 08:29
S12 8	65	(integrat\$4 adj (space or cavity)) and angle and path and reflec\$4 and diffuse	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 08:42
S12 9	11	(integrat\$4 adj (space or cavity)) and angle and path and reflec\$4 and diffuse and toner	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 08:30
S13 0	46	(US-20050211902-\$).did. or (US-6493083-\$ or US-6526237-\$ or US-6512898-\$ or US-6225622-\$ or US-6291121-\$ or US-6081678-\$ or US-5956544-\$ or US-5326173-\$ or US-5842080-\$ or US-5625857-\$ or US-5621214-\$ or US-5253018-\$ or US-5325153-\$ or US-5270784-\$ or US-5204538-\$ or US-5216469-\$ or US-4988866-\$ or US-5126629-\$ or US-4649276-\$ or US-5077504-\$ or US-4232971-\$ or US-4206355-\$ or US-4568828-\$ or US-4300050-\$ or US-3935436-\$ or US-4278887-\$).did. or (US-3874799-\$ or US-3942012-\$ or US-2347067-\$ or US-2263938-\$ or US-3327583-\$ or US-2992588-\$ or US-2107836-\$ or US-1979952-\$ or US-2707900-\$ or US-2383346-\$ or US-1834905-\$ or US-1964365-\$ or US-1960169-\$ or US-6952264-\$ or US-3557378-\$ or US-6007778-\$).did. or (US-5621214-\$ or US-6225622-\$ or US-4568828-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/03 08:35
S13 1	1	S130 and (circuit adj card)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 08:39

## EAST Search History

S13 2	18	S130 and circuit	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 08:39
S13 3	1	S130 and (integrat\$4 adj (space or cavity)) and (circuit adj (card or board))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 08:42
S13 4	1	S130 and (integrat\$4 adj (space or cavity)) and circuit	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 08:43
S13 5	1	(integrat\$4 adj (space or cavity)) and (circuit adj card)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 08:43
S13 6	414	(integrat\$4 adj (space or cavity)) and circuit	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 08:43
S13 7	1	S130 and (integrat\$4 adj (space or cavity)) and circuit	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 08:44
S13 8	9	S130 and integrat\$4 and circuit	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 08:52
S13 9	11	reflect\$4 and (integrat\$4 adj (cavity or chamber)) and optic\$4 and (drive adj circuit)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 12:20
S14 0	6	reflect\$4 and (integrat\$4 adj (cavity or chamber)) and optic\$4 and (sensing adj circuit)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 09:48
S14 1	0	reflect\$4 and (integrat\$4 adj (cavity or chamber)) and optic\$4 and (sensing adj circuit) and noise	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 09:48
S14 2	5	reflect\$4 and (integrat\$4 adj (cavity or chamber)) and optic\$4 and (sensing adj circuit) and noise	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 11:52
S14 3	5	reflect\$4 and (integrat\$4 adj (cavity or chamber)) and (sensing adj circuit) and noise	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 09:57

## EAST Search History

S14 4	4	reflect\$4 and (integrat\$4 adj (cavity or chamber)) and detector and (sensing adj circuit) and noise	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 09:57
S14 5	4	(integrat\$4 adj (cavity or chamber)) and detector and (sensing adj circuit) and noise	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 10:09
S14 6	4	(integrat\$4 adj (cavity or chamber)) and optical and detector and (sensing adj circuit)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 10:02
S14 7	1	S130 and (sensing adj circuit)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 10:02
S14 8	6	S130 and detector and circuit and noise	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 10:02
S14 9	34	(integrat\$4 adj (cavity or chamber)) and collimat\$4 and specular	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 10:11
S15 0	5	(integrat\$4 adj (cavity or chamber)) and collimator and specular	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 10:18
S15 1	16	(integrat\$4 adj (cavity or chamber)) and detector and ((sens\$4 adj circuit) or (driv\$4 adj circuit))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 10:39
S15 2	22245	(circuit adj card)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 10:39
S15 3	219	"250":ccls. and (circuit adj card)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 10:39
S15 4	1	S153 and (integrat\$4 adj (cavity or chamber))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 10:54
S15 5	122	S153 and integrat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 10:40

## EAST Search History

S15 6	42	S153 and integrat\$4 and (cavity or chamber)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 10:40
S15 7	66	(integrat\$4 adj (cavity or chamber)) and detector same circuits	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 11:53
S15 8	66	(integrat\$4 adj (cavity or chamber)) and (detector same circuits)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 15:45
S15 9	0	"5253018" and (integrat\$4 adj (cavity or chamber)) and (detector same circuits)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 11:00
S16 0	0	"5253018" and (integrat\$4 adj (cavity or chamber)) and circuits	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 11:00
S16 1	24	"5253018"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 11:01
S16 2	1	"5253018" and integrat\$4 and circuit	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 11:02
S16 3	11	("5253018"   "5349377"   "5469244"   "5559587"   "5579090"   "5819132"   "5950043").PN. OR ("6075954").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 11:03
S16 4	1	S163 and integrat\$4 and circuit	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 11:02
S16 5	17	S130 and circuit	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 11:03
S16 6	26	("4575224"   "4883019"   "4894685"   "5045883"   "5103260").PN. OR ("5253018").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 11:14
S16 7	153300	(light and detector and circuit)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 11:15

## EAST Search History

S16 8	7	S166 and S167	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 11:23
S16 9	26	("3791744"   "4026643"   "4141645"   "4222497"   "4265997"   "4313671"   "4372672"   "4377338"   "4462680"   "4550998"   "4607944"   "4646679").PN. OR ("4883019").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 11:20
S17 0	9	S169 and S167	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 11:31
S17 1	8	S169 and S167 and reflect\$5	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 11:39
S17 2	5970	(optical adj detector) and integrat\$4 and circuit and detector and light	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 11:39
S17 3	59	(optical adj detector) and integrat\$4 and circuit and detector and light and reflectometer	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 11:50
S17 4	122	(optical adj detector) and integrat\$4 and circuit and detector and light and reflectomet\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 11:40
S17 5	18	("3910701"   "4163950"   "4723554"   "4781195"   "4821733"   "4935346"   "5049487"   "5059394"   "5174963"   "5179005"   "5179288"   "5239295"   "5304468"   "5426032"   "5563042"   "5843692"   "5900943"   "6157454").PN. OR ("6952263").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 11:49
S17 6	1	"optical detector sensing circuit" and integrat\$4 and circuit and detector and light and reflectometer	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 11:51
S17 7	1	"optical detector sensing circuit" and reflectometer	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 11:51
S17 8	10	optical and detect\$4 and (sensing adj circuit) and reflectometer	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 11:52
S18 0	6	reflect\$4 and (integrat\$4 adj (cavity or chamber)) and optic\$4 and (sensing adj circuit)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 11:52

## EAST Search History

S18 1	6	reflect\$4 and (integrat\$4 adj (cavity or chamber)) and optic\$4 and (sens\$4 adj circuit)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 12:20
S18 2	84	collimator and shroud and reflect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 12:27
S18 3	37	collimator and shroud and reflect\$4 and (cavity or chamber)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 12:33
S18 4	210	(collimator same (shroud or cover)) and reflect\$4 and (cavity or chamber)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 12:35
S18 5	194	(collimator same (shroud or cover)) and reflect\$4 and (cavity or chamber) and surface	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 12:35
S18 6	0	(collimator same (shroud or cover)) and reflect\$4 and (cavity or chamber) and surface and integrat%5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 12:35
S18 7	114	(collimator same (shroud or cover)) and reflect\$4 and (cavity or chamber) and surface and integrat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 12:35
S18 8	1	(collimator same (shroud or cover)) and reflect\$4 and (integrat\$4 adj (cavity or chamber)) and surface	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 12:35
S18 9	2	(collimator same (shroud or cover)) and reflect\$4 and (integrat\$4 adj (cavity or chamber))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 12:35
S19 0	2	(collimator same (shroud or cover)) and (integrat\$4 adj (cavity or chamber))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 12:37

## EAST Search History

S19 6	51	(US-20050211902-\$).did. or (US-6493083-\$ or US-6526237-\$ or US-6512898-\$ or US-6225622-\$ or US-6291121-\$ or US-6081678-\$ or US-5956544-\$ or US-5326173-\$ or US-5842080-\$ or US-5625857-\$ or US-5621214-\$ or US-5253018-\$ or US-5325153-\$ or US-5270784-\$ or US-5204538-\$ or US-5216469-\$ or US-4988866-\$ or US-5126629-\$ or US-4649276-\$ or US-5077504-\$ or US-4232971-\$ or US-4206355-\$ or US-4568828-\$ or US-4300050-\$ or US-3935436-\$ or US-4278887-\$).did. or (US-3874799-\$ or US-3942012-\$ or US-2347067-\$ or US-2263938-\$ or US-3327583-\$ or US-2992588-\$ or US-2107836-\$ or US-1979952-\$ or US-2707900-\$ or US-2383346-\$ or US-1834905-\$ or US-1964365-\$ or US-1960169-\$ or US-6952264-\$ or US-3557378-\$ or US-6007778-\$ or US-5548120-\$ or US-5313264-\$ or US-6310337-\$ or US-4980727-\$ or US-5650843-\$).did. or (US-5621214-\$ or US-6225622-\$ or US-4568828-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/03/03 13:14
S19 7	14	S196 and transfer and belt	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 13:15
S19 8	10	S196 and transfer and belt and sheet	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 13:24
S19 9	10	S196 and transfer and belt and sheet and surface	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 13:24
S20 0	5	S196 and (collimat\$4 same lens)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 14:07
S20 1	12	S196 and lens	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 14:24

## EAST Search History

S20 2	10	S196 and collimat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/03 14:25
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